

In the Abstract:

Please replace the paragraph at page 8, lines 1 to 16, with a replacement paragraph amended as follows:

~~The invention relates to a method for calibrating 3D image sensors.~~ Work When measuring distances with a 3D image sensor, manufacturing tolerances, temperature variations and aging processes ~~result in that~~ cause the various pixels in a receiving array of the sensor to deviate from one another to different degrees. ~~The aim of the invention is therefore~~ In a method of calibrating the 3D image sensor, it is therefore the aim to calibrate the entire receiving array with respect to every pixel. ~~During operation of the 3D image sensor there is usually no reference scene available with which every pixel could be calibrated based on known phase relations.~~ ~~According to the invention, the~~ The entire receiving array is illuminated at defined intervals exclusively with ~~[[one]]~~ a modulated reference light source producing a calibrating radiation. Alternatively, the usual emitted light source can be used to generate the calibrating radiation via a deflection device. Two different distances can be simulated by carrying out two calibrating measurements with different phase relations between the emitted and received ~~signal~~ signals, thereby making it possible to detect distance-related errors for every pixel individually.